

CORPORATION FALCONBRIDGE COPPER

FILE
MEMORANDUM

DATE: May 29, 1986
TO: A. J. Davidson
COPIES TO: D. H. Watkins
DE FROM: L. D. Pirie
SUJET SUBJECT: Rea Gold Drill Proposal

824638

At the present time there are four high priority targets on the Rea Gold Option which require an initial minimum of 1020m. of drilling to assess. These are:

- a) the Silver Zone gap, between lines 95+35 and 101+50, by a massive barite lens to the NW and a gold intersection of 4.8 g/T over 1m. at its SE end.
- b) the Silver Zone's NW strike continuation, which has been defined geophysically for at least 650m. beyond current drill coverage.
- c) the faulted offset of the RG-8 (L97) lens in the area of the Kamad boundary. This lens has been down faulted just where it appears to have been at its thickest and highest grade (adjacent to RG-21, 86-129). RG-46, targeted to intersect the Rea horizon at depth in this area, was stopped in diorite characteristic of the immediate structural hangingwall in RG-20, 86-129. Because of the nature of the claim boundary/Rea horizon intersection there is ample room for significant tonnages to be established.
- d) the NW strike continuation of the Main Rea horizon, believed to be defined by MaxMin anomalies on lines 105-109 and 116-127 (inclusive).

The following 8 holes are proposed to test these targets.

- a) P1 L97+00, 5+80N, -85o, 150m.
(will intersect Silver Zone long. section at 1445 elevation)

- P2 L98+50, 6+55N, -85° , 150m.
 (will intersect Silver Zone long. section at 1410 elevation)
- P3 L100+00, 7+55N, -55° , 150m.
 (will intersect Silver Zone long. section at 1375 elevation)
- b) P4 L119, 9+75N, -55° , 100m.
 (tests most attractive MaxMin anomaly, 350m. NW of RG-59)
- P5 L122, 9+90N, -55° , 100m.
 (tests next best MaxMin anomaly, 300m. NW of P4)
- c) P6 L95+50, 0+35S, -89° 170m.
 (will pierce main long. section -80m. from 1500 elevation)
- d) P7 L107, 1+00N, -50° , 100m.
 (tests MaxMin anomaly)
- P8 L118, 3+20N, -50° , 100m.
 (tests attractive MaxMin anomaly in a readily accessible location)

Holes P1, P2 and P3 will vary according to accessibility and topography at the set up, but the overall aim - to plug this highly prospective gap at a PEM-able depth - will be maintained.

Holes P4, P5 and P8 may be adjusted should soil survey results (currently being conducted) dictate it.

All locations and angles are subject to minor adjustments where they will better serve to fulfill the aims of the drillhole.

L. D. Pirie

IDP/ik

NW

SE

L 120

L 115

L 110

L 105

L 100

L 95

L 91

1600m

1400m

1200m

1000m

Johnson Creek

MASSIVE SULPHIDES

MASSIVE BARITE

P 5

P 4

P 3

P 2

P 1

59 ■ Nil

58 ■ Nil

0.35, 1.0, 2.69, 53.5 / 2.0 / 1.02 m

55 ■ Nil

60 ■ Nil

51 ■ NSV
0.094, 1.43, 2.82, 26.0, 0.21 / 1.4 m

49 ■ Nil
0.25, 1.0, 1.35, 12.0, 0.04 / 0.9 m

49 □ 0.28, 1.45, 1.30, 10.2, 0.08 / 1.6 m

52 ● 0.48 % Zn / 1.75 m

39 ● 0.15, 0.11, 0.38, 45, 0.1 / 3.15 m

37 ● 0.38, 0.92, 1.59, 168, 0.3 / 2.7 m

42 ● 0.053, 0.19, 0.32, 12.8, 0.20 / 1.5 m

40 ● 1.005, 2.16, 3.02, 501, 0.29 / 0.9 m

47 ● fractured thru

44 ● 0.012, 0.07, 0.05, 163.9, 0.05 / 1.1 m

45 ● 0.097, 0.20, 0.08, 282, 1.6 / 1.1 m

48 ● 0.153, 0.38, 0.53, 20.2, 0.25 / 1.2 m

44 ● (89 = 80.5 %)
0.012, 0.07, 0.05, 163.9, 0.05 / 1.1 m

45 ● (80 = 43.3 %)
0.097, 0.20, 0.08, 282, 1.6 / 1.1 m

48 ● 0.153, 0.38, 0.53, 20.2, 0.25 / 1.2 m

42 ● 0.332, 0.08, 0.10, 120.5, 0.40 / 1.5 m

50 ● 0.056, 0.78, 1.43, 24.0, 0.2 / 0.85 m

50 ● 0.09, 0.80, 1.04, 56.0, 0.41 / 3.15 m

53 ● 0.15, 0.08, 0.23, 94.5, 4.79 / 1.0 m

36 ● 0.06, 0.56, 0.39, 17, 0.3 / 1.9 m

53 ● 0.629, 2.30, 4.49, 26.0, 0.23 / 0.4 m

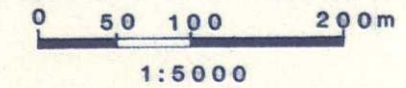
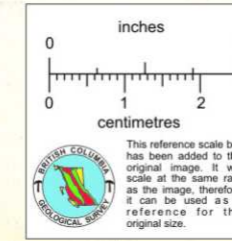
35 ● 0.39, 1.14, 5.14, 30.9, 0.2 / 0.15 m

Assays Cu,Pb,Zn% Ag,Au g/T / metres

● Chert/Muddy T (or sed) Contact (UPPER Ag ZONE)

■ Mafic-Chert Contact (where mineralized) (LOWER Ag ZONE)

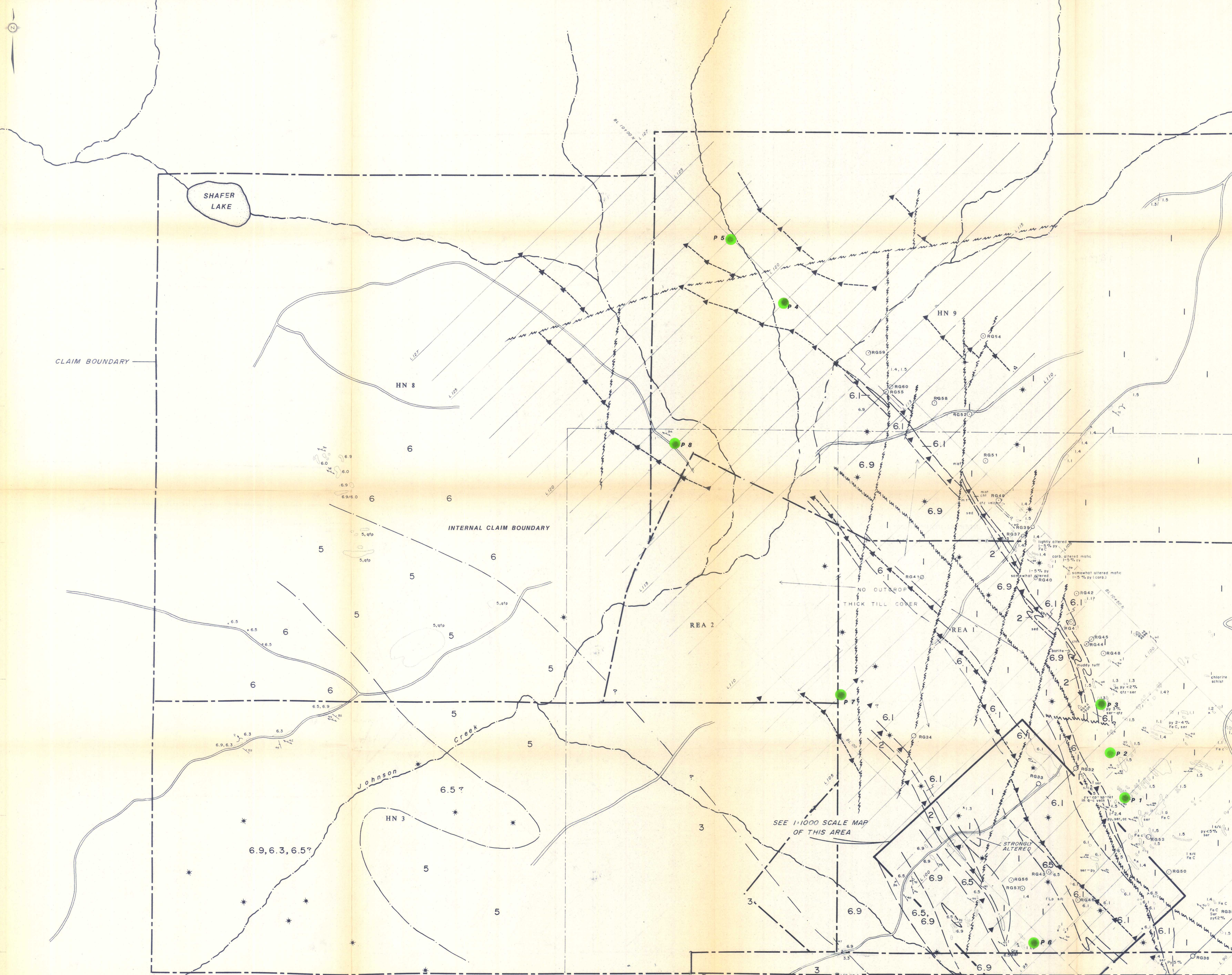
1986 REA DRILL PROPOSAL - CORPORATION FALCONBRIDGE COPPER
REA GOLD OPTION
LONGITUDINAL SECTION
 LOOKING NORTHEAST
 IN PLANE OF THE
UPPER AND LOWER SILVER ZONE HORIZONS



1:5000

JUNE 1986

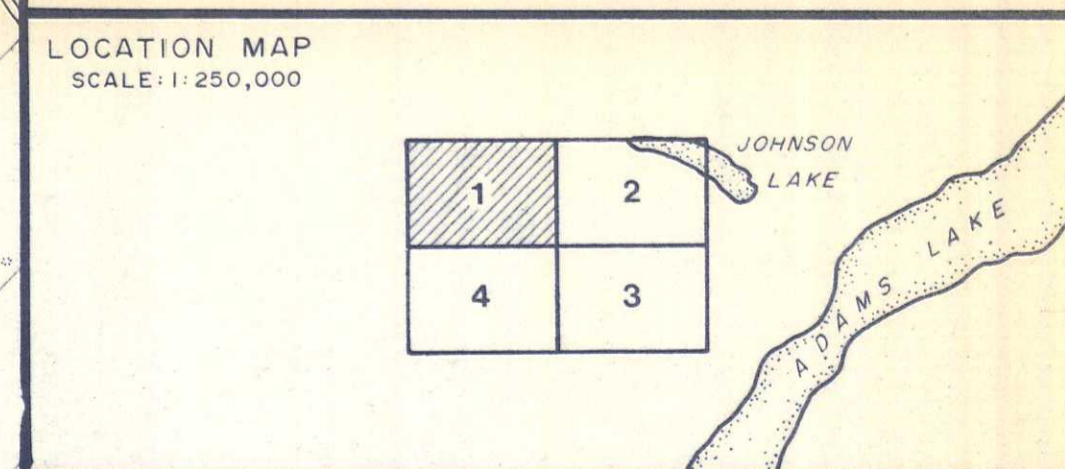
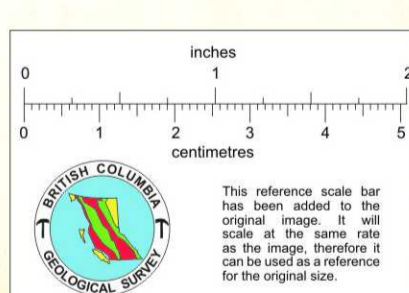
FIGURE 2



LEGEND

ROCK TYPE	ROCK TYPE TEXTURAL CODES
1 MAFIC VOLCANICS	1 Massive flow
2 INTERMEDIATE VOLCANICS	2 Flattened flows, pillow breccia
3 FELSIC VOLCANICS	3 Tuff, ash tuff
	4 Lapilli tuff, lapilli and ash
	5 Agglomerate (block size frags > 64mm)
	6 Tuff breccia
	7 Gabbro flow (1, 2, or 3 depending on predominant fragment types)
4 MAFIC INTRUSION	1 Diorite
	2 Gabbro
	3 Diabase
5 FELSIC INTRUSION	1 QFP
6 SEDIMENT	1 Chert, ribbon chert, chert breccia
	2 Chert with argillite
	3 Quartzite argillite f.g. wacke
	4 Quartz pebble conglomerate
	5 Argillite/phylite
	6 Limestone
	7 Greywacke (f.g. quartz wackes) or Greenwacke (contingent on ch content)
	8 Limestone cobble breccia
	9 Calcareous wackes; Tgrits; Sandstones
	0 Multistatic pebble conglomerates (with micaceous clasts, argillite clasts etc.)

OUTCROP	LAKES, BODIES OF WATER
GEOLOGICAL CONTACT	RIVERS, CREEKS
ASSUMED GEOLOGICAL CONTACT	ROADS, TRAILS
SCHISTOSITY	SWAMP AREA
BEDDING	CLAIM POSTS
DIGEM CONDUCTORS	
MAXIM CONDUCTOR AXIS	



CORPORATION FALCONBRIDGE COPPER
REA GOLD OPTION

1986 REA DRILL PROPOSAL

